

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/091161 A1

- (51) International Patent Classification⁷: **G06F 17/00**
- (21) International Application Number:
PCT/KR2004/000623
- (22) International Filing Date: **22 March 2004 (22.03.2004)**
- (25) Filing Language: **Korean**
- (26) Publication Language: **English**
- (71) Applicant (for all designated States except US): **NITGEN TECHNOLOGIES INC. [KR/KR]; 3rd Floor, Sanhak Research Foundation Building, 1337-31 Seocho-dong, Seocho-gu, Seoul 137-860 (KR).**
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LEE, Nam-Yul [KR/KR]; 104 ho Jiyoung Villa, 292-5 Junmin-dong, Yousung-gu, 305-810 Daejeon (KR). YOON, Kee-Joo [KR/KR]; 203, Ho Solgreen Villa, 57-13 Songpa-dong, Songpa-gu, Seoul 138-849 (KR).**
- (74) Agent: **KIM, Sung-Soo; Room No. 1133, Opian 1258,, Sanggye-dong, Nowon-gu,, Seoul 139-838 (KR).**
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

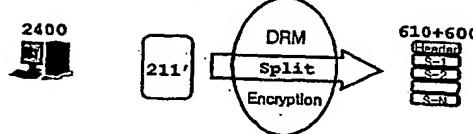
Published:

— with international search report

[Continued on next page]

(54) Title: **A STREAMING BASED CONTENTS DISTRIBUTION NETWORK SYSTEM AND METHODS FOR SPLITTING, MERGING AND RETRIEVING FILES**

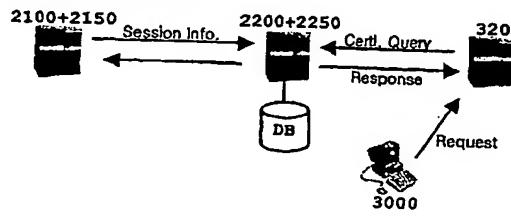
Step 1. Split Original Multimedia file



Step 2. Contents Distribution(Using CDMaster)



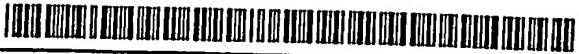
Step 3. Certification Server



(57) Abstract: A process for splitting, transforming and reproducing a multimedia file has the steps of uploading the file to an Admin Server after splitting or merging the file; synchronizing contents; selecting contents by a client's connection to a web server; performing authentication; downloading a desired file from the optimal contents server; saving the downloaded file as a temporary file form on a temporary file storage; reproducing the downloaded data (the contents) on a dedicated player; and deleting the temporary file with the completion of the reproduction.

WO 2005/091161 A1

WO 2005/091161 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.